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Image Super-Resolution in Remote Sensing

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Message from the Guest Editors

Remote-sensing images have been playing an important role in many areas including geology, oceanography, and weather forecasting. However, due to the limitations of imaging sensors, acquired images usually have limited spatial, spectral, and temporal resolutions. In addition, remote-sensing images often suffer from various types of degradations, such as noise, spatial distortion, and temporal blur. Reconstruction of a high-resolution image from a single image or a sequence of degraded, low-resolution images of the same scene, acquired from different views or at different conditions, is a challenging problem. This Special Issue aims to collect some of the most recent and promising super-resolution reconstruction techniques for remote-sensing images. Topics of interest include:

- Spatial super-resolution
- Temporal resolution enhancement
- Spatio-temporal super-resolution
- Spectral super-resolution
- Single-frame and multi-frame resolution enhancement
- Super-resolution from geometrically deformed remote-sensing images
- Pansharpening of remote-sensing images
- Fusion of multi-instrument data for enhancing its resolution

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Special Issue

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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